

***U.S. General***<sup>®</sup>

# 6" OFF ROAD LIGHT

**Model 95811**

## ASSEMBLY AND OPERATION INSTRUCTIONS



Due to continuing improvements, actual product may differ slightly from the product described herein.



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Visit our website at: <http://www.harborfreight.com>

**TO PREVENT SERIOUS INJURY, READ AND UNDERSTAND  
ALL WARNINGS AND INSTRUCTIONS BEFORE USE.**

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**For technical questions or replacement parts, please call 1-800-444-3353.**

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## SPECIFICATIONS

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Materials	Steel housing with steel lens rings and steel, rubber supported mounting bracket
Dimensions	7" high at the bracket (mounted/surface) 8-1/2" overall height with bracket mounted 4-5/8" Deep
Voltage	12 VDC
Wire connectors	6" pigtail with split-loom and brass bullet connectors. (Not a fused system)
Finish	Chrome housing and hardware. Silver reflector with clear (round) glass lens
Hardware	Yellow-zinc plated
Weight	about 2 lb.
Bulb	H-3/55W Halogen (HT201)

### Save This Manual

You will need this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Write the product's serial number in the back of the manual near the assembly diagram, or write month and year of purchase if product has no serial number. Keep this manual and invoice in a safe and dry place for future reference.

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## SAFETY RULES

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 **WARNING!**

**READ AND UNDERSTAND ALL INSTRUCTIONS**  
**Failure to follow all instructions listed below may result in**  
**electric shock, fire, and/or serious injury.**  
**SAVE THESE INSTRUCTIONS**

1. **This 6" Off Road Light requires complete installation.** It is important that you read the entire manual to become familiar with this product before it is installed or used. **If you DO NOT have experience doing this type of electrical work, the job should be done by a qualified automotive or electrical service technician.**
2. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
3. **Wear ANSI-approved safety goggles and heavy-duty work gloves during installation or service.**
4. **Make certain the vehicle's engine is turned off and the battery is disconnected before installing.**

5. **Do not cut or re-wire any part of the Off Road Light.**
6. **Light for off road use exclusively.** Make certain to follow all local DMV (Department of Motor Vehicles) laws regarding vehicles and lighting systems.
7. **If it is necessary to drill any holes in your vehicle, be sure to read and adhere to the manual of the drill you are using.** When drilling holes, beware of any hidden electrical lines or cables. Make sure you do not damage or weaken the structural integrity of the vehicle.
8. **Maintain labels and nameplates on the tool.** These carry important information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
9. **The brass components of this product contain lead, a chemical known to the State of California to cause birth defects (or other reproductive harm).** (California Health & Safety code § 25249.5, et seq.)
10. **Light becomes extremely hot during use.** DO NOT touch or wash the Light for at least 10 minutes after use.

**NOTE:** When it becomes necessary to replace the Halogen Bulb in this 6" Off Road Light, be sure to **NEVER** touch the glass of the Bulb with your fingers. The oil from your skin can cause more heat to be accumulated wherever the bulb is touched and this may reduce the life of the bulb. Always use a rag, or wear work gloves when replacing Halogen Bulbs. If the bulb is accidentally touched, clean it with rubbing alcohol and allow it to dry thoroughly before installing or using.

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## **UNPACKING**

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When unpacking, check to make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible. **NOTE: No wires other than the attached pigtail wires are included with this Light.**

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## **ASSEMBLY INSTRUCTIONS**

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**NOTE:** For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

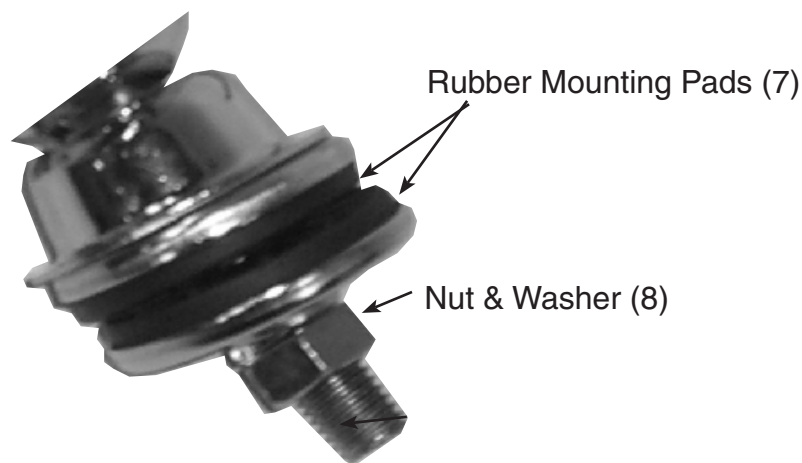
Tools needed are: Needle-nose pliers, wire cutter, small adjustable wrench and electric drill (all not included).

**WARNING: Make sure the vehicle engine is off and the negative battery terminal is disconnected before beginning installation.**

Turn vehicle engine off and disconnect battery.

2. Installation requires a 1/2" hole through which to insert the wiring. If your vehicle has no hole of this size, then drilling a hole will be necessary.
3. Select a proper location to mount the Off Road Light and mark it. The Light may be either top or bottom mounted. If there is no hole for mounting your Light, you must drill one at the point you have selected.
4. Attach Positive wire (not included) to the proper terminal near the base of the Off Road Light before the Light is mounted to the vehicle. There is only one, it is easy to locate.
5. Insert Positive wire (not included) and Black Ground Wire (6) through the hole next to where you wish to mount your Light.

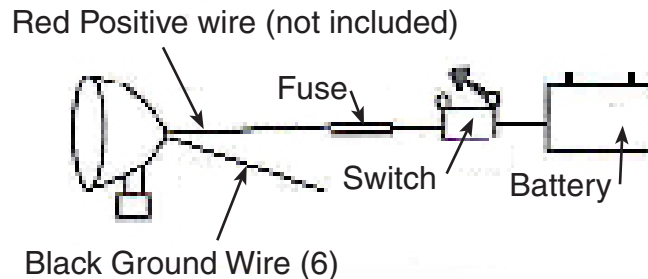
**Figure 1**



6. Place one of the Rubber Mounting Pads (7) against the upper and lower sections of the Light mounting hole. Use the Washer and Nut (8) provided to secure the Light snugly to your vehicle. The Rubber Mounting Pads (7) attached to the base of your Off Road Light help to keep it from vibrating loose when driving on rough terrain. See **Figure 1**

Figure 2

Required: Switch/Fuse (not included) rated at 15 amps or larger.




7. The red Positive wire (not included) from the Light is the “HOT” wire. Use a pin connector or in-line splice connector (both not included) to connect the Off Road Light to your vehicle’s electric wiring system. When using an in-line splice connector, it is not necessary to strip the wires. The wiring diagram in **Figure 2** will give you a basic idea of how to set up the wiring.
8. The red Positive wire (not included) runs from the light to the Fuse, then to the switch. From there it is wired to the electrical wiring running to the battery. The Black Ground Wire (6) (included) must make contact with a metal surface to assure proper grounding.
9. Attach the Red Positive wire (not included) to a switched power wire (e.g. tail light or the low beam of the head light). Then wrap the connection with water proof tape (not included).
10. Lay the connector for the switch (not included) of the wiring harness into the driver’s compartment through the fire wall. Use a hole already made for the purpose of handling other wires.
11. Connect the wire to the switch. Find a flat surface near the dashboard. Use double sided tape to secure the switch in the place you want it to remain. Be sure to tape any extra wiring to the underside of the dashboard, or to the inside of the engine compartment away from moving parts. Do not leave extra wire hanging loose in either the driver’s compartment or the engine.
12. Reconnect the battery and turn on the switch to test the whole system. If the Light does not operate properly, check the fuse/ground wire/battery connection/switch/lamp connection/relay all the way back to the Off Road Light to make sure everything is connected properly.
13. Loosen the Light adjustment screws. With the system on, adjust the Light’s angle until the proper angle is obtained. Retighten all the screws.

## OPERATION INSTRUCTIONS

Start the engine, turn on the Lights by the on/off switch you installed.

## INSPECTION, MAINTENANCE, AND CLEANING

1.  **WARNING!** Make sure the Power Switch of the Off Road Light is in its “OFF” position and that the tool is unplugged from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.
2. **BEFORE EACH USE**, inspect the general condition of the tool. Check for loose screws, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation. If abnormal noise or vibration occurs, have the problem corrected before further use. **Do not use damaged equipment.**

MAINTENANCE CHART						
Maintenance Type	Before Use	After Use	Weekly	Monthly	Every 6 Months	Yearly
Inspect Light for damage (see #2, above)	X			X		
Wipe off with clean, moist cloth		X	X			X

## TROUBLESHOOTING

Problem	Possible Causes	Probable Solutions
Off Road Light will not turn on. Off Road Light turns on but flickers off and on.	<ol style="list-style-type: none"> <li>1. Wiring broken, frayed or disconnected.</li> <li>2. Rubber Mounting Pads (7) have vibrated loose, causing Light connections to also work loose.</li> <li>3. Bulb is burnt out.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check wiring, switch, fuse, battery connection. If any wiring is found to be broken, frayed or damaged in any way, replace it.</li> <li>2. Check all Rubber Mounting Pads (7) and all electrical connections for tightness.</li> <li>3. Replace the Halogen Bulb.</li> </ol>

### PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

## ASSEMBLY DIAGRAM



## PARTS LIST

Part	Description	Q'ty
1	Clip	1
2	Light Assembly	1
3	Lens Assembly	1
4	Holding Rings	2
5	Holding Ring Screws	2

Part	Description	Q'ty
6	Black Ground Wire	1
7	Rubber Mounting Pads	2
8	Nut/Washer	1
9	Housing	1

## WARRANTY

### **U.S. General® LIMITED 90 DAY WARRANTY**

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of ninety days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.